

## PATENT CLAIMS

1. A method for controlling of reagent dosages in a concentration plant based on the variation in the properties of a raw material feed, **characterized in that** a representative side stream of the raw material feed is formed, which is fed to a calibration circuit, where variables required in measuring the amount and quality of reagents are determined and the variables obtained are used to dimension the feed of reagents in the main stream.
2. A method according to claim 1, **characterized in that** the calibration circuit contains required conditioning and flotation stages.
3. A method according to claims 1 or 2, **characterized in that** a side stream of the raw material is formed after a primary grinding stage.
4. A method according to any of the above claims, **characterized in that** after primary grinding the main stream is fed to secondary grinding, to which the product from the calibration circuit is also fed.
5. A method according to claims 1, 2 or 3, **characterized in that** after primary grinding the main stream is fed to a storage tank.
6. A method according to any of the above claims, **characterized in that** froth formation is measured when dimensioning the quantity and quality of reagent.
7. A method according to any of the above claims, **characterized in that** the amount of concentrate is measured when dimensioning the quantity and quality of the reagent.

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8. A method according to any of the above claims, **characterized in that** the valuable and gangue material content of the concnetrate is measured when dimensioning the quantity and quality of the reagent.

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